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Short Synopsis

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Study and analysis of security issues in cloud architecture

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

FACULTY OF ENGINEERING & TECHNOLOGY

Submitted by:

Name:KRITIKA SONI
Signature:
Registration No.:12/Ph.D/006
Email ID:soni.kritika5@gmail.com
Contact No.: 9999889604

Supervisor :
Name: Dr. Suresh Kumar
Signature:
Designation: Professor & Head of Department,
Email ID: suresh.fet@mriu.edu.in
Contact No.: 9810487182

FACULTY OF ENGINEERING & TECHNOLOGY

Declaration

This is to declare that this short synopsis reflects the research work design and its contents are the original piece of work, as per guidelines, grammatically correct and free from plagiarism. This has been prepared under the guidance and supervision of Dr. Suresh Kumar my supervisor.

(Signature of Research Scholar)
Name : kritika soni
Registration No. : Ph.D
Batch :2012-2013
Department : Department of Computer Science & Engineering,

Certificate

This is to testify that the entire text of this Synopsis, prepared by my research scholar, has been read thoroughly and it is as per the guidelines and grammatically correct. Further, it is original piece of her work and free from plagiarism.

Signature of the supervisor
Name : Dr. Suresh Kumar
Designation : Professor & Head of Department,
Department : Department of Computer Science & Engineering,

Recommendation

I recommend this short synopsis prepared and submitted by Ms Kritika soni for approval of Ph.D Doctoral Research Board and there after to be uploaded on Shodh Gangotri.

(Dr. M.K.Soni)
Executive Director & Dean, FET, MRIIRS

ABSTRACT

The cloud computing is a paradigm that allows on-demand access to user to share computing resources ,which has advantages of flexibility ,efficiency ,scalability, integration and capital reduction .It has three service models namely IaaS, PaaS and SaaS and also three deployment model Public, Private and Hybrid. Now-a-days cloud system is used for storing a large amount of data. It is likely hood that the user may have fear that his sensitive information may be shared by others and his trading secrets might be leaked. Under these circumstances it is necessary to make the information system to make data system dependable and assured by safe guarding data from spiteful attack. Although the cloud model is very adaptable and provide immediate allocation for the cloud services, but it may suffer actuate problem of secure architecture. Hence, it may not be possible to make a full confidence on cloud based services as they may pose serious obstacles from malicious attack as cloud base storage. The protections schemes are mainly user crystalline. Hence there is an issue of security of data in cloud storage which controls and prevents data access to unauthorized users. There are many security issues in cloud computing namely identity management system, Physical and personnel security ,Integrity, Confidentiality, Application security etc.

In this study, the architecture of the cloud computing and various data access control scheme will be surveyed . A study on the various security threats like Denial of service and its countermeasures in cloud computing will be carried out .A model for accessing the secure data through cloud computing will be evolved .

Key words: Cloud computing, Architectures, challenges, Benefits, Encryption, Decryption

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